INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN02/00302

A. CLASSIFICATION OF SUBJECT MATTER	A. CLASSIFICATION OF SUBJECT MATTER				
IPC ⁷ B41J2/175 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED		<u> </u>			
Minimum documentation searched (classification system follows	ed by classification symbols)				
IPC ⁷ B41J2/175,G01D15/16					
Documentation searched other than minimum documentation to	the extent that such documents are included	in the fields searched			
CHINESE INVENTION	CHINESE UTILITY MODELS				
Electronic data base consulted during the international search (na	ame of data base and, where practicable, sea	rch terms used)			
EPOQUE, CNPAT ink and (cartridge or contain	ner) and EEPROM and memory and non	and volatile			
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.			
X EP,A2,1004447(SEIKO EPSON CORPORATION)31.May 2000 (31.05.00) See the whole document		1-2,6,13-14			
	EP,A2,1004448(SEIKO EPSON CORPORATION)31.May 2000 (31.05.00)				
A JP, A,2000351221 (SONY COI	See the whole document JP, A,2000351221 (SONY CORP) 19.Dec2000(19.12.00) See the whole document				
	CN,A, 1257007 (SEIKO EPSON CORPORATION)21.Jun 2000 (21.06.00) See the whole document				
A EP,A2,1004449(SEIKO EPSON CORPORATION)31.May 2000 (31.05.00) 1-14 See the whole document					
Further documents are listed in the continuation of Box C.	See patent family annex.				
Special categories of cited documents:	"T" later document published after the				
"A" document defining the general state of the art which is not considered to be of particular relevance	cited to understand the principle or theory underlying the				
"E" earlier application or patent but published on or after the international filing date invention document of particular relevance; the claimed invention					
"L" document which may throw doubts on priority claim (S) or					
which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention					
"O" document referring to an oral disclosure, use, exhibition or other means	o an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such				
"P" document published prior to the international filing date but later than the priority date claimed	documents, such combination being skilled in the art "&" document member of the same p				
Date of the actual completion of the international search 14.Nov 2002(14.11.02) Date of mailing of the international search report 3 0 JAN 2003 3 0. 0 1. 0 3)					
Name and mailing address of the ISA/CN	Authorized officer				
China State Intellectual Property Office 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China	SHI,Ran (3)				
Facsimile No. 86-10-62019451 Form PCT/ISA /210 (second sheet) (July 1998)	2.0000000000000000000000000000000000000				





Information on patent family members

International application No. PCT/CN02/00302

Patent document	Publication	Patent family	Publication
cited in search report	date	member(s)	date
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· ·	4-	CA,A1,2290296	26,May 2000(26.05.00)
. ;	. 4	US,B1,6196670	06,Mar 2001(06.03.01)
	,	JP,A,2000218818	08,Aug 2000(08.08.00)
EP,A2,1004448	31.May 2000 (31.05.00)	CN,A,1256207	14,Jun 2000(14.06.00)
		KR,A,2000035729	26,Jun 2000(26.06.00)
JP, A,2000351221	19.Dec2000(19.12.00)	None	
CN,A, 1257007	21.Jun 2000 (21.06.00)	EP,A2,1004450	31.May 2000 (31.05.00)
		KR,A,2000035727	26,Jun 2000(26.06.00)
		JP,A,2001187457	10,Jul 2001(10.07.01)
EP,A2,1004449	31.May 2000 (31.05.00)	BR,A,9913825	20,Nov 2001(20.11.01)
•		FR,A1,2786432	02,Jun 2000(02.06.00)
		DE,A1,19956702	21,Jun 2000(21.06.00)
	. •	CN,A,1261583	02.Aug 2000(02.08.00)

Form PCT/ISA/210 (patent family annex) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN02/00302

A. CLASSIFICATION OF SUBJECT MATTER IPC ⁷ B41J2/175				
According to International Patent Classification (IPC) or to both r	national classification and IPC			
B. FIELDS SEARCHED		·		
Minimum documentation searched (classification system follower	i by classification symbols)			
IPC ⁷ B41J2/175,G01D15/16				
Documentation searched other than minimum documentation to t	he extent that such documents are included	in the fields searched		
CHINESE INVENTION	CHINESE UTILITY MODELS			
Electronic data base consulted during the international search (na	me of data base and, where practicable, sear	rch terms used)		
EPOQUE, CNPAT ink and (cartridge or contain	er) and EEPROM and memory and non	and volatile		
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category* Citation of document, with indication, where		Relevant to claim No.		
X EP,A2,1004447(SEIKO EPSON CORPOR See the whole		1-2,6,13-14		
A EP,A2,1004448(SEIKO EPSON CORPOI See the whole	1-14			
A JP, A,2000351221 (SONY COR See the whole	1-14			
A CN,A, 1257007 (SEIKO EPSON CORPORATION)21.Jun 2000 (21.06.00) 1-14 See the whole document				
A EP,A2,1004449(SEIKO EPSON CORPORATION)31.May 2000 (31.05.00) 1-14 See the whole document				
☐ Further documents are listed in the continuation of Box C.	See patent family annex.			
considered to be of particular relevance	document defining the general state of the art which is not or priority date and not in conflict with the application			
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim (S) or	content but published on or after the "X" document of particular relevance cannot be considered novel or cannot			
"L" document which may know doubts on priority claim (5) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invent				
"O" document referring to an oral disclosure, use, exhibition or other means	- A tornor when the concidence of the control of th			
"P" document published prior to the international filing date but later than the priority date claimed	skilled in the art			
Date of the actual completion of the international search 14.Nov 2002(14.11.02)	Date of mailing of the international se 3 0 JAN 2003 (3 0.	arch report		
Name and mailing address of the ISA/CN	Authorized officer			
China State Intellectual Property Office 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451	SHI, Ran Telephone No. 86-10-62093789			
Form PCT/ISA /210 (second sheet) (July 1998)				



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International application No. PCT/CN02/00302

Patent document	Publication	Patent family	Publication
cited in search report	date	member(s)	date
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		US,B1,6196670	06,Mar 2001(06.03.01)
		JP,A,2000218818	08,Aug 2000(08.08.00)
EP,A2,1004448	31.May 2000 (31.05.00)	CN,A,1256207	14,Jun 2000(14.06.00)
		KR,A,2000035729	26,Jun 2000(26.06.00)
JP, A,2000351221	19.Dec2000(19.12.00)	None	
CN,A, 1257007	21.Jun 2000 (21.06.00)	EP,A2,1004450	31.May 2000 (31.05.00)
		KR,A,2000035727	26,Jun 2000(26.06.00)
		JP,A,2001187457	10,Jul 2001(10.07.01)
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		FR,A1,2786432	02,Jun 2000(02.06.00)
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		CN,A,1261583	02.Aug 2000(02.08.00

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